

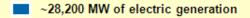
Summary of Dominion's Renewable Energy Developments

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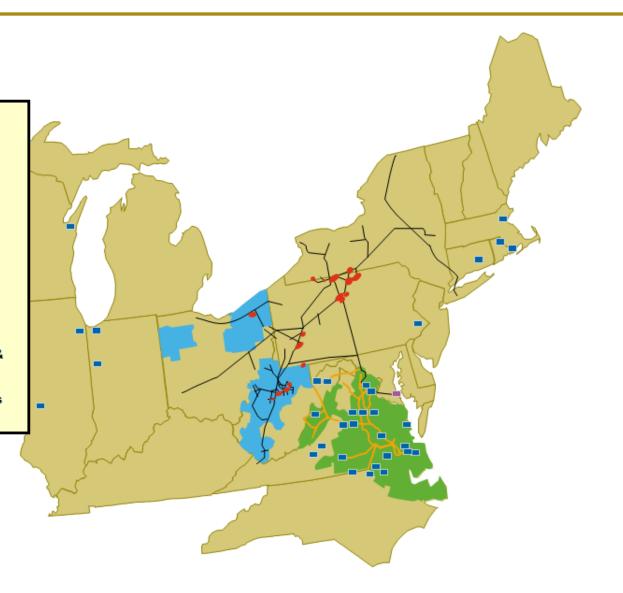
October 2, 2012



Dominion Profile



- 6,200 miles of electric transmission
- ____ 11,000 miles of natural gas transmission, gathering and storage pipeline
- 947 billion cubic feet of natural gas storage operated
- Cove Point LNG Facility
- 2.4 million electric customers in VA and
- 1.3 million natural gas customers in OH & WV
 - 2.2 million non-regulated retail customers in 15 states





Renewable Energy: Piece of the Solution, Now and Long-Term

☐ Meet state renewable goals in Virginia and North Carolina

☐ Reduce our carbon intensity

☐ Maintain a balanced, diverse generation portfolio

Create local economic development opportunities

Hedge against potential future rise in fuel costs



Estimated VA Renewable Resources

Solar (photovoltaic) > 10,000 MW (limited only by available land)

Offshore Wind ~ 2,000 MW (based on federal use area)

Onshore Wind ~ 800 MW

Biomass (wood waste) ~ 500 MW

Biomass (animal/municipal waste) ~ 200 MW

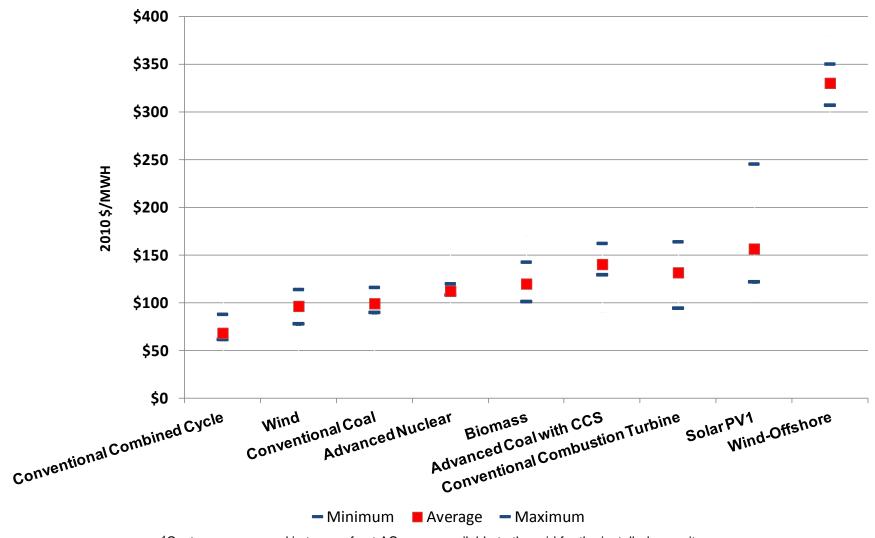
Landfill gas ~ 50 MW

Hydro power ~ 50 MW

Geothermal 0 MW



Levelized Cost of New Generation Resources, 2017



¹Costs are expressed in terms of net AC power available to the grid for the installed capacity. Source: U.S. Energy Information Administration, *Annual Energy Outlook 2012*, January 2012, DOE/EIA-0383(2012)

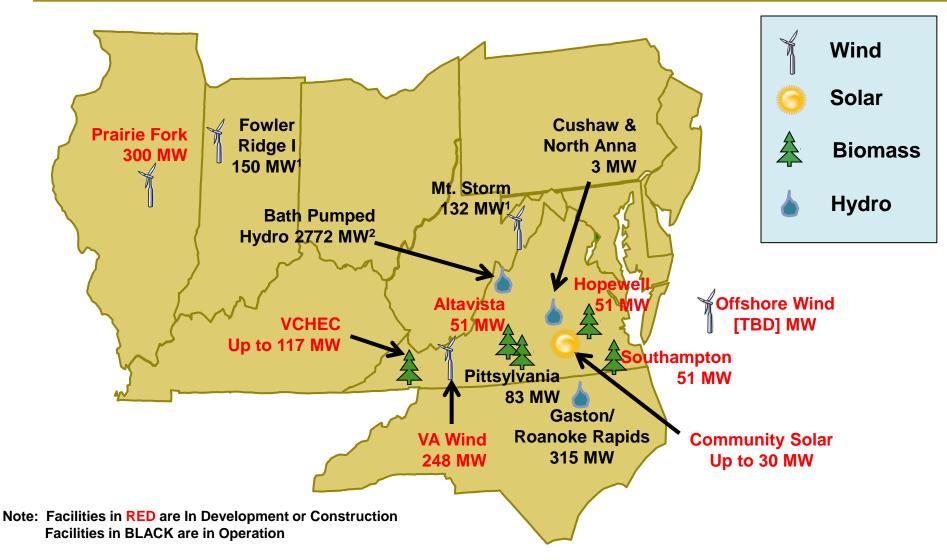


Dominion is Active in Renewable Energy

Year	<u>Activity</u>
Prior	Dominion ownership of 4 hydro facilities in VA and NC
2004	Dominion acquires largest biomass power facility in the U.S. (83 MW)
2006	Dominion adds biomass co-firing capability at Altavista (6 MW)
2007	RPS program established in VA with target of 12% by 2022 (legislated)
2008	Dominion construction and startup of two of the largest wind farms (564 MW in WV and IN)
	Dominion begins construction of VCHEC, with capability to use up to 20% biomass fuel
2009	VA RPS program augmented with new goal of 15% by 2025 (legislated)
	Dominion files its VA RPS plan with the VA SCC, seeking approval to participate
	Dominion initiates offering of Green Power option to retail customers
	Dominion forms Alternative Energy Solutions group
2010	VA SCC approves Dominion's RPS plan
2011	Dominion seeks approval from VA SCC to convert coal units to biomass (153 MW)
	Dominion seeks approval from VA SCC for community solar program (30 MW)
2012	Dominion responds to US BOEM offshore wind call-for-information
	Dominion continues to develop additional renewable projects in VA
	- onshore wind, offshore wind, biomass, solar, and other opportunities



Dominion has 1,600⁺ MW of Renewables in Development, Construction or Operation



¹ Megawatt capacity represents Dominion's 50% capacity only

² Pumped hydro does not qualify as renewable energy in the VA RPS



Recent Factors Affecting Renewable Energy Economics

Item

Wholesale power prices

<u>Change</u>

<u>Impact</u>

50%

High (-)

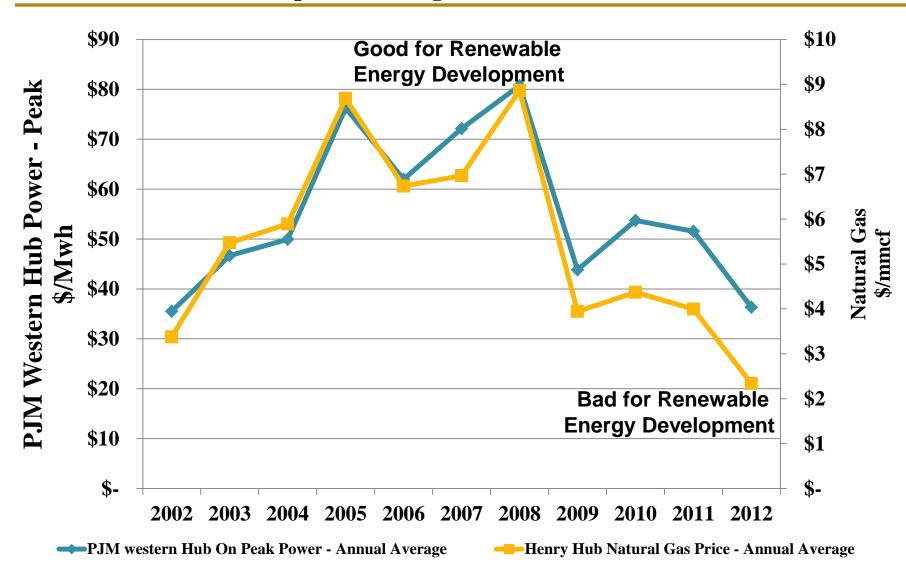
REC prices



High (-)



Natural Gas Prices Drive Wholesale Electricity Prices; Wholesale Electricity Prices Drive Renewable Energy Development (along with other federal incentives)





Renewable Energy: Revenue components are now far below cost

